

(No Model)

M. H. GRIFFIN.
CLOTHES WRINGER.

No. 585,749.

Patented July 6, 1897.

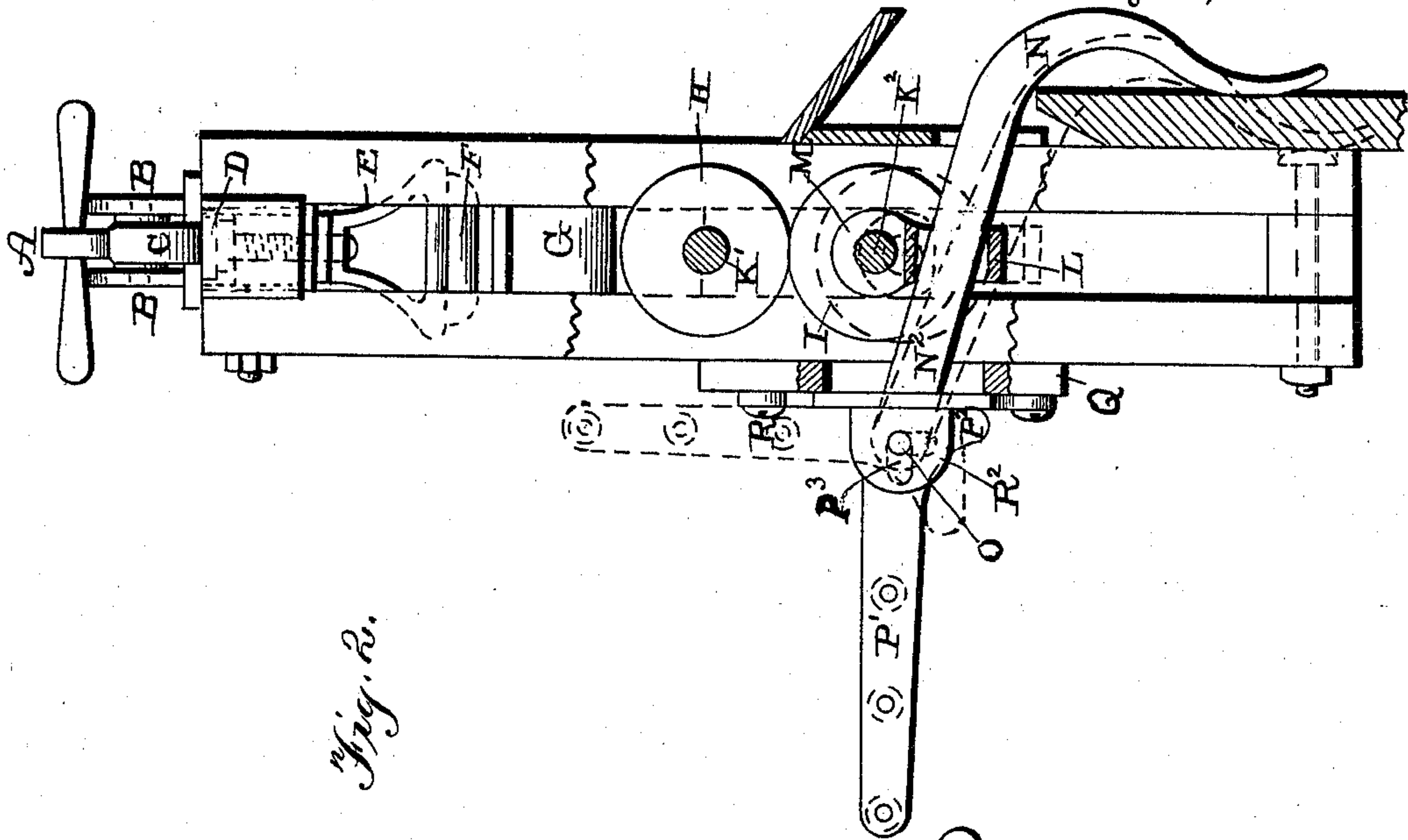
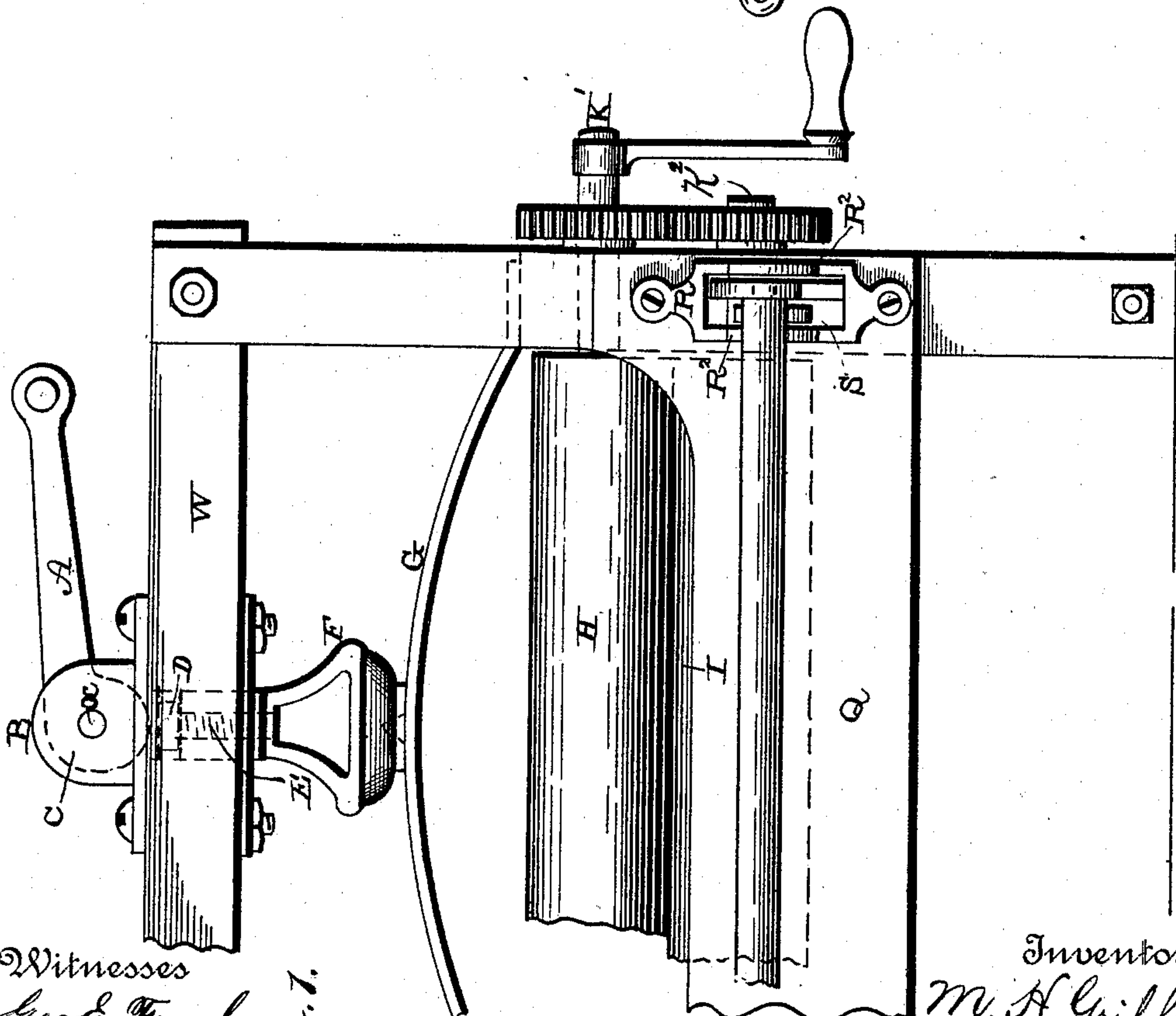


Fig. 2.



Witnesses
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Fig. 1.

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per
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UNITED STATES PATENT OFFICE.

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CLOTHES-WRINGER.

SPECIFICATION forming part of Letters Patent No. 585,749, dated July 6, 1897.

Application filed April 13, 1896. Serial No. 587,347. (No model.) Patented in Canada November 22, 1895, No. 50,645.

To all whom it may concern:

Be it known that I, MICHAEL HENRY GRIFFIN, machinist, a citizen of the Dominion of Canada, residing at the village of Burlington, in the county of Halton, in the Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements in Wooden-Frame Clothes-Wringers, (for which I have obtained a patent in Canada, No. 50,645, bearing date of November 22, 1895,) of which the following is a specification.

My invention relates to improved devices for compressing the rolls, in the action of which the wringer is fastened on the tub. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a part front view of a clothes-wringer embodying my invention, and Fig. 2 is a sectional side view of the same.

As shown on the drawings, the top and bottom rolls each have end bearings through the sides of the frame, with the usual gear-wheels and turning-crank.

The top bar W of the wringer has a vertical slot down through its center, in which the head D of the presser-bolt E is fitted to work up and down freely. The lower end of this bolt has a thread cut on it and on which the hollow nut F works. This hollow nut rests on the top of the spring G and has a hole in its seat, into which a projecting stud on the spring G enters for the purpose of holding the parts firmly in position. In the center, on the top of the bar W, over the vertical slot, is fitted a metal plate, slotted through. This plate has a vertically-raised piece B on each side of the slot, and through which the pin X is fitted to form an axle on which the cam C works to bear on the head of the bolt E. To this cam is connected a handle A, which is turned over on the bar W to one side to bring the pressure of the cam on the spring G by means of the hollow nut F and to the other side to take the pressure off the spring. The hollow nut F is screwed up or down on the bolt E to adjust the pressure on the spring as required. Each end of the spring G rests

on loose bearings in the frame on the shaft K' of the top roller H, the compression of which by the mechanism before described brings the pressure on the movable bottom roller I. The shaft K² at each end of the bottom roller I works in a perforated metal bearing M, and which bearings have lower extensions in which are formed transverse perforated bearings L, through which are passed the arms N² of the clamps N.

R is a metal plate fitted vertically on the face-board Q at each side of the frame of the wringer. These plates are slotted through, and in these slots the ends of the arms N² extend.

R² are outward projections on the face of the plate on each side of the slot S, and the bolt or rivet O passes through these projections and is secured thereto and forms a fulcrum on which the arm N² works. The arms N², working on the fulcrums O and extending through the transverse perforated bearings L, by the compression of the rolls, as before described, draw the clamp N in toward the frame and fasten the wringer on the tub. It will be apparent that the arms N² pass through the body of the frame in a slot made in the wood for that purpose, having the required freedom for action.

The drop-table on the front of the wringer being made to work on the rivets O has metal sides P', having heavy square shoulders P², which rest against the face of the plate R when the table is in a horizontal position or lowered down for working. The square shoulder P² thus holds the drop-table firmly in position without any other support. The metal sides P', hinging on the rivets O in the projections R², are adapted to fold up against the face-board Q when not in use, and are held or locked in that position by means of an elongated slot P³, formed in the metal sides P' and hinging on the rivet O, the upper ends of the slots resting on the rivets when the table is raised up and locking it in that position.

Having described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

In a clothes-wringer, the frame having slots made therethrough, the clamping-levers N
5 extending through the slots, the rollers, and the bearings for the lower roller provided with perforated extensions through which extensions the clamping-levers pass, combined

with plates secured to the frame and upon which the inner ends of the levers are pivoted, 10 substantially as shown.

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Witnesses:

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